

TEMPERATURE INCREASING AGENT AND TEMPERATURE INCREASING METHOD

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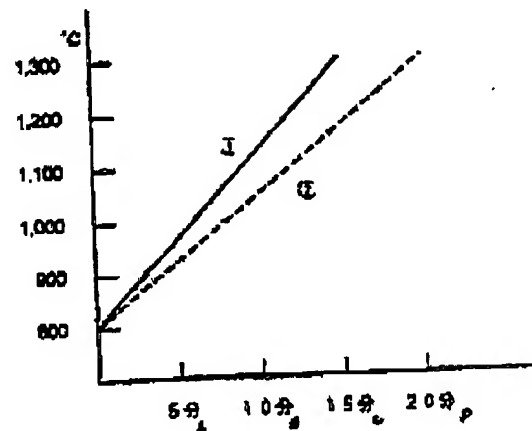
Cited documents:

US2905632
 EP0015801
 EP0417629

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Abstract of WO9608328

When slag solidified on a container, in a molten metal, and on the surface of a molten metal, residuals in the container and deposit therein are preheated, heated and melted during the refining and casting of a metal, fine powder of a thermosoftening waste plastic alone or fine powder of a mixture of such a plastic and a thermosetting waste plastic is used as a combustion and heating promoting agent. This enables the heating effect to be improved, and the natural gas expenses to be reduced greatly.



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 B ... 10 minutes
 C ... 15 minutes
 D ... 20 minutes

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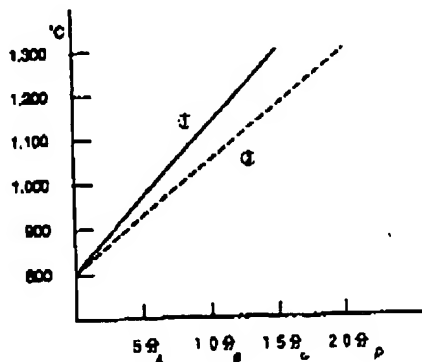
(51) 国際特許分類⁶ B22D 11/10, C21C 5/30	A1	(11) 国際公開番号 WO 96/08328 (43) 国際公開日 1998年3月21日 (21.03.96)
(21) 国際出願番号 PCT/JP94/01507 (22) 国際出願日 1994年9月12日 (12. 09. 94) (71) 出願人 (米国を除くすべての指定国について) アイコー株式会社 (AIKOH CO., LTD.) (JP/JP) 〒110 東京都台東区池之端2丁目1番39号 Tokyo, (JP) (72) 発明者: および (75) 発明者/出願人 (米国についてのみ) 高島 幸 (TAKASHIMA, Masaru) (JP/JP) 〒108 東京都港区芝浦4丁目16番36号 住友芝浦ビル1403号室 Tokyo, (JP) 坂下政康 (SAKASHITA, Masayoshi) (JP/JP) 〒320 栃木県宇都宮市駒生町1397-8 Techigi, (JP) 一ノ瀬士道 (ICHINOSE, Shido) (JP/JP) 〒981-02 宮城県宮城郡公田町御崎字士道合6-17 Miyagi, (JP) 山口芳弘 (YAMAGUCHI, Yoshihiro) (JP/JP) 〒411 静岡県三島市初谷台25-4 Shizuoka, (JP) (74) 代理人 弁理士 佐藤英昭 (SATO, Hideaki) 〒170 東京都港区赤坂3丁目8番14号 青山ビルディング2階 Tokyo, (JP) (81) 指定国 AU, CA, CN, JP, KR, US, 欧州特許 (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).		送付公開書類 国際調査報告書

(54) Title : TEMPERATURE INCREASING AGENT AND TEMPERATURE INCREASING METHOD

(54) 発明の名称 昇温剤および昇温方法

(57) Abstract

When slag solidified on a container, in a molten metal, and on the surface of a molten metal, residuals in the container and deposit therein are preheated, heated and melted during the refining and casting of a metal, fine powder of a thermosoftening waste plastic alone or fine powder of a mixture of such a plastic and a thermosetting waste plastic is used as a combustion and heating promoting agent. This enables the heating effect to be improved, and the natural gas expenses to be reduced greatly.



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